Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A signal distribution system comprising:

~~a~~ transmission means of respectively allocating different frequencies to a plurality of signals and of transmitting said signals by utilizing the allocated frequencies; ~~and~~

communication paths for transmitting said plurality of signals to be transmitted; and

a plurality of reception means of receiving said transmitted plurality of signals ~~into~~ which the different~~corresponding~~ frequencies are allocated based on predetermined corresponding relationships, ~~from among said transmitted plurality of signals characterized in that~~

wherein said corresponding relationships are ~~corresponding relationships~~ between each of said different frequencies and each of said reception means, said corresponding relationships are ~~that have been~~ predetermined based on substantial distances between said transmission means and each of said reception means along said communication paths.

2. (Currently Amended) The~~A~~ signal distribution system according to Claim 1, wherein~~characterized in that~~

said predetermined corresponding relationships are based on a relationships of ~~wherein~~ a~~the~~ smaller value of the ~~substantial~~ distance, ~~of a reception means is~~ the higher the value of the frequency allocated~~which corresponds~~ to the respective reception means and vice versa,

said plurality of reception means respectively have a plurality of terminals, and

said communication paths are coaxial cables.

3. (Currently Amended) A signal distribution system according to Claim 2, ~~characterized in that~~wherein contents of said signals are determined based on requests from said terminals and the determined signals are transmitted on said communication paths by using the frequencies corresponding to the reception means with the terminals that have sent said requirements.

4. (Currently Amended) A signal distribution system according to Claim 3, ~~characterized in that~~wherein

said plurality of signals are a plurality of quadrature amplitude modulation signals;

said reception means further have a plurality of region distribution boxes, respectively, which are connected according to a distance~~in the order~~ from said transmission means;

said terminals are seat electronics boxes provided in airplanes and

said transmission means is a quadrature amplitude modulation unit which can frequency multiplex said plurality of quadrature amplitude modulation signals.

5. (Currently Amended) A signal distribution system according to Claim 4, ~~characterized in that~~wherein said quadrature amplitude modulation unit selects a quadrature modulation system having a plurality of a number of bits to be encoded~~multi-value number~~ for said signal received by one of the~~a~~ region distribution boxes, wherein the smaller the substantial distance between said transmission means and said reception means along said communication path is the higher said number of bits~~multi-value number~~ is, and transmission of said signal is carried out by utilizing the selected modulation system.

6. (Currently Amended) A transmission device for respectively allocating different frequencies to a plurality of signals and for transmitting said plurality of signals to a plurality of reception means of receiving signals, int~~o~~ which the ~~corresponding~~ different frequencies are allocated based on predetermined

corresponding relationships, via communication paths by utilizing the allocated frequencies,

wherein ~~the transmission device is characterized in that~~ said corresponding relationships are ~~corresponding relationships~~ between each of said different frequencies and each of said reception means, said corresponding relationships are ~~that have been~~ predetermined based on substantial distances between said transmission device and each of said reception means along said communication paths.

7. (Currently Amended) A reception device for receiving a signal ~~to~~in which a~~the corresponding~~ frequency is allocated based on a predetermined corresponding relationship from among a plurality of signals transmitted, via a communication path, from a transmission means for respectively allocating different frequencies to said plurality of signals and for transmitting said signals by utilizing the allocated frequencies,

wherein ~~the reception device is characterized in that~~ said corresponding relationship is ~~a corresponding relationship~~ between said frequency and said reception device, the corresponding relationship is~~that has been~~ predetermined based on a~~the~~ substantial distance between said transmission means and said reception device along said communication path.

8. (Currently Amended) A signal distribution system ~~characterized by~~ comprising:

a transmission means of selecting modulation systems based on predetermined criteria for a plurality of signals and of transmitting said plurality of signals by utilizing the selected modulation systems;

communication paths for transmitting said plurality of signals to be transmitted; and

a plurality of reception means of receiving the allocated signals from among said transmitted plurality of signals.

9. (Currently Amended) A signal distribution system according to Claim 8, ~~characterized in that~~wherein:

said plurality of signals are a plurality of quadrature amplitude modulation signals;

said reception means further have a plurality of seat electronics boxes provided in airplanes and a plurality of region distribution boxes, respectively, which are connected according to a distance~~in the order~~ from said transmission means;

said transmission means is a quadrature amplitude modulation unit which can frequency multiplex said plurality of quadrature amplitude modulation signals and is connected to the plurality of region distribution boxes according to an increasing distance~~of which the order is the lowest~~; and

the selection of modulation systems based on said predetermined criteria is to select a quadrature modulation system having a plurality of a number of bits to be encoded~~multi-value number~~ for a signal allocated to a reception means, wherein the smaller a substantial distance between said transmission means and said~~lower the order of the~~ reception means along said communication paths is the higher the number of bits~~the multi-value number~~ is.

10. (Currently Amended) A signal distribution method comprising the steps of:

allocating respectively different frequencies to a plurality of signals on a transmission side;

transmitting said plurality of signals to be transmitted by utilizing the allocated frequencies via communication paths; and

receiving signals ~~to~~in which the ~~corresponding~~ different frequencies are allocated based on predetermined corresponding relationships, ~~from among said transmitted plurality of signals on a plurality of reception sides characterized in that~~

wherein said corresponding relationships are ~~corresponding relationships~~ between each of said frequencies and each of said reception sides, said corresponding

relationships are ~~that have been~~ predetermined based on substantial distances between said transmission side and each of said reception sides along said communication paths.

11. (Currently Amended) A transmission method for respectively allocating different frequencies to a plurality of signals on a transmission side and for transmitting said plurality of signals to a plurality of reception sides of receiving signals, ~~to~~in which the ~~corresponding~~ different frequencies are allocated based on predetermined corresponding relationships, via communication paths by utilizing the allocated frequencies,

wherein ~~the transmission method is characterized in that~~ said corresponding relationships are ~~corresponding relationships~~ between each of said frequencies and each of said reception sides, said corresponding relationships are ~~that have been~~ predetermined based on substantial distances between said transmission side and each of said reception sides along said communication paths.

12. (Currently Amended) A reception method for receiving a signal ~~to~~in which a~~the corresponding~~ frequency is allocated based on a predetermined corresponding relationship from among a plurality of signals transmitted, via a communication path, from a transmission side for respectively allocating different frequencies to said plurality of signals and for transmitting said signals by utilizing the allocated frequencies,

wherein ~~the reception method is characterized in that~~ said corresponding relationship is ~~a corresponding relationship~~ between said frequency and a reception side, said corresponding relationship is ~~that has been~~ predetermined based on a~~the~~ substantial distance between said transmission side and said reception side along said communication path.

13. (Currently Amended) A signal distribution method ~~characterized by~~ comprising the steps of:

selecting modulation systems based on predetermined criteria for a plurality of signals on a transmission side;

transmitting said plurality of signals by utilizing the selected modulation systems via communication paths for transmitting said plurality of signals to be transmitted; and

receiving ~~the~~ allocated signals from among said transmitted plurality of signals on a plurality of reception sides.

14. (Currently Amended) A computer readable medium for holding a program or data that allow a computer to carry out the functions of ~~the entirety of, or part of the means of the entirety of, or part of the present invention according to~~ any one of ~~Claims~~ claims 1 ~~to~~ 9, wherein the medium is ~~characterized by being able to be~~ processed by a computer.

15. (Currently Amended) An information assembly ~~characterized by being a program or data~~ that allow a computer to carry out the functions of ~~the entirety of, or part of the means of the entirety of, or part of the present invention according to~~ any one of ~~Claims~~ claims 1 ~~to~~ 9, wherein the information assembly is a program or data.